

**CPC****COOPERATIVE PATENT CLASSIFICATION****D03D****WOVEN FABRICS  
METHODS OF WEAVING  
LOOMS****NOTE**

Class [D06](#) takes precedence over this subclass in respect of processes involving both weaving and finishing steps and in respect of the finished fabrics.

A method of weaving is classified in the group designating the fabric woven unless the method is characterised by the operation of a particular loom rather than by the production of a particular fabric. In this case, the method is classified in the group for the loom.

In this subclass, if there is any doubt as to which of the essential features is the most important (this is usually the most restrictive feature), the groups designating woven fabrics should be considered in the order in which they appear at each level of indentation, except that groups designating woven pile fabrics are to be considered as taking precedence over groups designating other woven fabrics.

**Guide heading:**

**Woven fabrics  
Methods of weaving other than those characterised by the operation of a particular loom**

**D03D 1/00****Woven fabrics designed to make specified articles**

- D03D 1/0005 . {Woven fabrics for safety belts }
- D03D 1/0011 . {Woven fabrics for labels }
- D03D 1/0017 . { Woven household fabrics }
- D03D 1/0023 . . { Mobs or wipes }
- D03D 1/0029 . . { Doormats }
- D03D 1/0035 . { Protective fabrics }
- D03D 1/0041 . . { Cut or abrasion resistant }
- D03D 1/0047 . . { Camouflage fabrics }
- D03D 1/0052 . . { Antiballistic fabrics }
- D03D 1/0058 . . { Electromagnetic radiation resistant }
- D03D 1/0064 . . { Noise dampening }
- D03D 1/007 . . { UV radiation protecting }
- D03D 1/0076 . { Photovoltaic fabrics }
- D03D 1/0082 . { Fabrics for printed circuit boards }

- D03D 1/0088 . { **Fabrics having an electronic function** }
- D03D 1/0094 . { **Belts** ([D03D 1/0005](#) takes precedence) }
- D03D 1/02 . Inflatable articles
- D03D 1/04 . Sack- or bag-like articles
- D03D 1/06 . Curtain heading tapes
- D03D 1/08 . Ladder tapes ([ladder tapes for venetian blinds E06B 9/382](#))

### **D03D 3/00 Woven fabrics characterised by their shape**

- D03D 3/005 . { **Tapes or ribbons not otherwise provided for** ([D03D 1/0005](#), [D03D 1/0011](#), [D03D 1/06](#), [D03D 1/08](#), [D03D 1/0094](#) take precedence) }
- D03D 3/02 . Tubular fabrics
- D03D 3/04 . Endless fabrics
- D03D 3/06 . Fabrics of varying width
- D03D 3/08 . Arched, corrugated, or like fabrics

### **D03D 5/00 Selvedges**

### **D03D 7/00 Woven fabrics designed to be resilient, i.e. to recover from compressive stress**

### **D03D 9/00 Open-work fabrics** ([ladder-tape fabrics D03D 1/08](#))

### **D03D 11/00 Double or multi-ply fabrics not otherwise provided for**

- D03D 11/02 . Fabrics formed with pockets, tubes, loops, folds, tucks, or flaps ([fabrics for curtain heading tapes 1/06](#); [fabrics consisting of a single tube D03D 3/02](#))

### **D03D 13/00 Woven fabrics characterised by the special disposition of the warp or weft threads, e.g. with curved weft threads, with discontinuous warp threads, with diagonal warp or weft**

- D03D 13/002 . { **With diagonal warps or wefts** }

#### **WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 13/00](#)

- D03D 13/004 . { with weave pattern being non-standard or providing special effects }
- D03D 13/006 . { With additional leno yarn }
- D03D 13/008 . { characterised by weave density or surface weight }
- D03D 15/00** **Woven fabrics characterised by the material or construction of the yarn or other warp or weft elements used**
- D03D 15/0005 . {Antistatic fabrics }
- D03D 15/0011 . {using glass fibres }
- D03D 15/0016 . { using threads comprising a mineral }
- D03D 15/0022 . { using threads with beads }
- D03D 15/0027 . { using bicomponent threads }
- D03D 15/0033 . { using coloured threads }
- D03D 15/0038 . { using threads made of delicate fibers }
- D03D 15/0044 . { using knitted threads }
- D03D 15/005 . { using leather threads }
- D03D 15/0055 . { using magnetic threads }
- D03D 15/0061 . { using threads with microdenier fibers }
- D03D 15/0066 . { using threads with a noble metal }
- D03D 15/0072 . { using paper threads }
- D03D 15/0077 . { using fancy or textured threads (N: Chenille yarns are in [D03D 27/18](#)) }
- D03D 15/0083 . { using threads having a particular sectional shape }
- D03D 15/0088 . . { Flat threads }
- D03D 15/0094 . { using threads with different diameters }
- D03D 15/02 . the warp or weft elements being of stiff material, e.g. wire, cane, slat
- D03D 15/04 . woven to produce shapes or effects upon differential shrinkage
- D03D 15/06 . using scaffolding threads, i.e. threads removed after weaving
- D03D 15/08 . using stretchable or elastic threads (woven fabrics whose elastic or stretch properties are due to the manner of weaving [D03D 17/00](#))

D03D 15/10	<ul style="list-style-type: none"> <li>using threads having high or low coefficients of friction</li> </ul>
D03D 15/12	<ul style="list-style-type: none"> <li>using heat-resistant or fireproof threads</li> </ul>
<b>D03D 17/00</b>	<b>Woven fabrics having elastic or stretch properties due to manner of weaving</b> (fabrics using stretchable or elastic threads <a href="#">D03D 15/08</a> )
<b>D03D 19/00</b>	<b>Gauze or leno-woven fabrics</b>
<b>D03D 21/00</b>	<b>Lappet- or swivel-woven fabrics</b>
<b>D03D 23/00</b>	<b>General weaving methods not special to the production of any particular woven fabric or the use of any particular loom</b> <b>Weaves not provided for in any other single group</b>
<b>D03D 25/00</b>	<b>Woven fabrics not otherwise provided for</b>
D03D 25/005	<ul style="list-style-type: none"> <li>{Three-dimensional woven fabrics }</li> </ul>
<b>D03D 27/00</b>	<b>Woven pile fabrics</b>
D03D 27/02	<ul style="list-style-type: none"> <li>wherein the pile is formed by warp or weft</li> </ul>
D03D 27/04	<ul style="list-style-type: none"> <li>.. Weft pile fabrics</li> </ul>
D03D 27/06	<ul style="list-style-type: none"> <li>.. Warp pile fabrics</li> </ul>
D03D 27/08	<ul style="list-style-type: none"> <li>... Terry fabrics</li> </ul>
D03D 27/10	<ul style="list-style-type: none"> <li>.. Fabrics woven face-to-face, e.g. double velvet</li> </ul>
D03D 27/12	<ul style="list-style-type: none"> <li>wherein pile tufts are inserted during weaving</li> </ul>
D03D 27/14	<ul style="list-style-type: none"> <li>.. with tufts around warps</li> </ul>
D03D 27/16	<ul style="list-style-type: none"> <li>.. with tufts around wefts</li> </ul>
D03D 27/18	<ul style="list-style-type: none"> <li>Chenille fabrics</li> </ul>
<b>Guide heading:</b>	<b>Looms</b> <b>Methods of weaving characterised by the operation of particular looms</b>
<b>D03D 29/00</b>	<b>Hand looms</b>
<b>D03D 31/00</b>	<b>Lappet, swivel or other looms for forming embroidery-like decoration on fabrics</b>
<b>D03D 33/00</b>	<b>Multiple looms, i.e. two or more looms assembled together, whether or not they have mechanisms in common</b> ( <a href="#">D03D 35/00</a> takes precedence)

**D03D 35/00**      **Smallware looms, i.e. looms for weaving ribbons or other narrow fabrics** ([D03D 47/00](#) takes precedence)

D03D 35/005      .    {Shuttles }

**D03D 37/00**      **Circular looms** (looms for weaving separate fabrics disposed in a circle or polygon [D03D 33/00](#))

**D03D 39/00**      **Pile-fabric looms**

D03D 39/02      .    Axminster looms, i.e. wherein pile tufts are inserted during weaving

D03D 39/04      . .    Spool Axminster looms

D03D 39/06      . . .    Tuft yarn tube or spool frames

D03D 39/08      . .    Gripper Axminster looms

D03D 39/083      . . .    { Selecting mechanisms }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 39/08](#)

D03D 39/086      . . .    { Gripper details }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 39/08](#)

D03D 39/10      .    Wire-tapestry looms, e.g. for weaving velvet or Brussels or Wilton carpets, the pile being formed over weftwise wires

D03D 39/12      . .    Mechanisms for operating the pile wires

D03D 39/14      . .    Construction of the pile wires, e.g. pile wires which cut

D03D 39/16      .    Double-plush looms, i.e. for weaving two pile fabrics face-to-face

D03D 39/18      . .    Separating the two plush layers, e.g. by cutting

D03D 39/20      .    Looms forming pile over warpwise wires

D03D 39/22      .    Terry looms

D03D 39/223      . .    { Cloth control }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 39/22](#)

D03D 39/226      . .    { Sley control }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 39/22](#)

- D03D 39/24 . Devices for cutting the pile on the loom (pile wires which cut [D03D 39/14](#); separating two plush layers [D03D 39/18](#))

**D03D 41/00**      **Looms not otherwise provided for, e.g. for weaving chenille yarn**  
**Details peculiar to these looms**

- D03D 41/001 . {Hair-cloth looms }
- D03D 41/002 . {Looms for weaving reed, straw or wood }
- D03D 41/004 . {Looms for three-dimensional fabrics }
- D03D 41/005 . {Linear-shed multiphase looms }
- D03D 41/007 . {Vertical looms }
- D03D 41/008 . { Looms for weaving flat yarns }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 41/00](#)

**D03D 43/00**      **Looms with change-boxes**

- D03D 43/02 . with drop boxes
- D03D 43/04 . . . . Operating mechanisms
- D03D 43/06 . with rotary boxes
- D03D 43/08 . . . . Operating mechanisms
- D03D 43/10 . Weft catchers, i.e. means for preventing entanglement of wefts

**D03D 45/00**      **Looms with automatic weft replenishment** (automatic replenishment in smallware looms [D03D 35/00](#), in circular looms [D03D 37/00](#); bobbins rewound on loom [D03J 1/12](#))

- D03D 45/02 . Controlling replenishment
- D03D 45/04 . . . . Pirn feelers or other detectors for initiating replenishment (weft stop motions [D03D 51/34](#))
- D03D 45/06 . . . . . mechanical
- D03D 45/08 . . . . . of the side-slip type
- D03D 45/10 . . . . . electrical

- D03D 45/12 . . . optical
- D03D 45/14 . . Storing the need for replenishment or the colour required until the spent shuttle returns to the replenishing end of the loom
- D03D 45/16 . . . selecting thereby weft of correct colour
- D03D 45/18 . . Shuttle feelers or other devices for preventing replenishment if shuttle is incorrectly positioned in shuttle box ([shuttle stop motions D03D 51/40](#))
  
- D03D 45/20 . Changing bobbins, cops, or other shuttle stock
- D03D 45/22 . . effected with shuttle in normal shuttle box
- D03D 45/24 . . effected otherwise than in normal box
- D03D 45/26 . . Magazines
- D03D 45/28 . . . for one type of thread, e.g. same colour
- D03D 45/30 . . . . rotary
- D03D 45/32 . . . for several types of thread, e.g. multicolour
  
- D03D 45/34 . Shuttle changing
- D03D 45/36 . . fresh shuttle being substituted for spent shuttle in the same cell of shuttle box
- D03D 45/38 . . Shuttle box with an extra cell which is used only during replenishment
- D03D 45/40 . . . the spent shuttle being received in the normal cell and the fresh shuttle being picked from the extra cell
- D03D 45/42 . . . the spent shuttle being received in the extra cell and the fresh shuttle being picked from the normal cell
- D03D 45/44 . . Magazines
- D03D 45/46 . . . for one type of thread, e.g. single colour
- D03D 45/48 . . . for several types of threads, e.g. multicolour
  
- D03D 45/50 . Cutting, holding, manipulating, or disposing of, weft ends
- D03D 45/52 . . Cutting weft of depleted shuttle near shuttle and holding the piece attached to the fabric
- D03D 45/54 . . Cutting fresh weft and holding the piece attached to the fabric
- D03D 45/56 . . Cutting depleted and fresh wefts at selvage
- D03D 45/58 . . Removing tip bunch or fresh weft end from fresh bobbin
- D03D 45/60 . . . substantially by air stream or suction
- D03D 45/62 . . Disposing of waste pieces of cut weft end ([D03D 45/58 takes precedence](#))
  
- D03D 47/00 Looms in which bulk supply of weft does not pass through shed, e.g. shuttleless looms, gripper shuttle looms, dummy shuttle looms ([circular looms D03D 37/00](#))**
  
- D03D 47/02 . wherein loops of continuous weft thread are inserted, i.e. double picks
- D03D 47/04 . . by a reciprocating needle having a permanently-threaded eye
- D03D 47/06 . . by a pivoted needle having a permanently-threaded eye
- D03D 47/08 . . . the path of the needle being modified by cams, linkages, or other means
- D03D 47/10 . . by a forked needle pushing loop of weft through shed
  
- D03D 47/12 . wherein single picks of weft thread are inserted, i.e. with shedding between each pick

- D03D 47/125 .. { Weft holding devices (If the weft is reinserted in the next shed [D03D 47/48](#); in jet looms [D03D 47/308](#)) }

### **WARNING**

Not complete pending the completion of a reclassification, see also groups [D03D 47/00](#) and [D03D 47/12](#)

- D03D 47/14 .. by a gripper needle taking the end of the weft through the shed
- D03D 47/16 .. by a gripper needle entering the shed empty and drawing the weft as it retracts
- D03D 47/18 .. two weft inserters meeting at or near the middle of the shed and transferring the weft from one to the other
- D03D 47/20 .. Constructional features of the thread-engaging device on the inserters
- D03D 47/22 ... adapted for working a loop of weft part-way inserted in the shed and then straightened-out
- D03D 47/23 ... Thread grippers (in dummy or gripper shuttles [D03J 5/06](#))
- D03D 47/233 .... { Carrying grippers }

### **WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/23](#)

- D03D 47/236 .... { Drawing grippers }

### **WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/23](#)

- D03D 47/24 .. by gripper or dummy shuttle (travelling-wave-shed looms [D03D 47/26](#); inserting mechanisms for shuttles [D03D 49/24](#); gripper or dummy shuttles per se [D03J 5/06](#))
- D03D 47/25 ... inserted from only one side of loom
- D03D 47/26 .. Travelling-wave-shed looms
- D03D 47/261 ... {Preparation of weft }
- D03D 47/262 ... {Shedding, weft insertion or beat-up mechanisms }
- D03D 47/263 .... {Weft insertion and beat-up mechanisms }
- D03D 47/265 .... {Beat-up mechanisms ([D03D 47/263](#) takes precedence) }
- D03D 47/266 .... {Weft insertion mechanisms ([D03D 47/263](#) takes precedence) }
- D03D 47/267 .... {Shedding mechanisms }
- D03D 47/268 ... {Mechanisms for compensating warp tension }
- D03D 47/27 . Drive or guide mechanisms for weft inserting
- D03D 47/271 .. { Rapiers } [

### **WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/27](#)



D03D 47/272      ...      { Rapier bands }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/27](#)

D03D 47/273      ...      { Rapier rods }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/27](#)

D03D 47/275      ..      { Drive mechanisms }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/27](#)

D03D 47/276      ...      { Details or arrangement of sprocket wheels }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/27](#)

D03D 47/277      ..      { Guide mechanisms (for shuttles [D03D 49/24](#)) }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/27](#)

D03D 47/278      ...      { for pneumatic looms }

**WARNING**

Not complete pending the completion of a reclassification, see also groups [D03D 47/27](#) and [D03D 49/62](#)

D03D 47/28      .      wherein the weft itself is projected into the shed

D03D 47/30      ..      by gas jet

D03D 47/3006      ...      { Construction of the nozzles }

D03D 47/3013      ....      { Main nozzles }

D03D 47/302      ....      { Auxiliary nozzles }

D03D 47/3026      ...      { Air supply systems }

D03D 47/3033      ....      { Controlling the air supply }

D03D 47/304      .....      { Controlling of the air supply to the auxiliary nozzles }

D03D 47/3046      .....      { Weft yarn selection }

**WARNING**

Not complete pending the completion of a reclassification, see also groups [D03D 47/30](#), [D03D 47/32](#) and [D03D 47/38](#)

- D03D 47/3053 . . . . { Arrangements or lay out of air supply systems }
- D03D 47/306 . . . . { Construction or details of parts, e.g. valves, ducts }
- D03D 47/3066 . . . { Control or handling of the weft at or after arrival }
- D03D 47/3073 . . . . { Detection means therefor }
- D03D 47/308 . . . . { Stretching or holding the weft }
- D03D 47/3086 . . . . { Weft removal (extraction of defective weft after stopping at definite point in weaving cycle [D03D 51/085](#)) }
- D03D 47/3093 . . . { Displaying data }
- D03D 47/32 . . by liquid jet
- D03D 47/34 . Handling the weft between bulk storage and weft-inserting means
- D03D 47/342 . . { knot detection }

**WARNING**

Not complete pending the completion of a reclassification, see also groups [D03D 47/34](#) and [D03D 51/34](#)

- D03D 47/345 . . { Rotating bobbins }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/34](#)

- D03D 47/347 . . { Yarn brakes ([D03D 47/364](#) takes precedence) }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/34](#)

- D03D 47/36 . . Measuring and cutting the weft  
[N Devices for measuring and temporary storing the weft ([cutting weft threads D03D 49/70](#)) ]
- D03D 47/361 . . . { Drum-type weft feeding devices }
- D03D 47/362 . . . { with yarn retaining devices, e.g. stopping pins ([D03D 47/367](#) takes precedence) }
- D03D 47/363 . . . . { Construction or control of the yarn retaining devices }
- D03D 47/364 . . . { Yarn braking means acting on the drum }
- D03D 47/365 . . . . { Brushes }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/364](#)

D03D 47/366 . . . . . { Conical }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/364](#)

D03D 47/367 . . . . { Monitoring yarn quantity on the drum }

D03D 47/368 . . . { Air chamber storage devices }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/36](#)

D03D 47/369 . . . { Communication systems }

**WARNING**

Not complete pending the completion of a reclassification, see also group [D03D 47/36](#)

D03D 47/38 . . Weft pattern mechanisms

D03D 47/39 . wherein cane, straw, slats, material for hair-cloth or similar material is handled

D03D 47/40 . Forming selvages

D03D 47/42 . . by knitting or interlacing loops of weft

D03D 47/44 . . . with additional selvedge thread

D03D 47/46 . . by selvedge shuttle or other device passing selvedge thread through loop of weft  
(by knitting [D03D 47/44](#))

D03D 47/48 . . by inserting cut end of weft in next shed, e.g. by tucking, by blowing

D03D 47/50 . . by adhesion

**D03D 49/00** **Details or constructional features not peculiar to looms of a particular type** ([temples D03J 1/22](#))

D03D 49/02 . Construction of loom framework { **WARNING** This group is in the process of being reorganised to its subgroups }

D03D 49/022 . . { Protective hoods or curtains }

D03D 49/025 . . { Ground supports }

D03D 49/027 . . { Arrangements or means for noise reduction }

D03D 49/04 . Control of the tension in warp or cloth

D03D 49/06 . . Warp let-off mechanisms ([construction of warp beam D02H](#) )

D03D 49/08 . . . Warp beam brakes

D03D 49/10 . . . Driving the warp beam to let the warp off

D03D 49/12 . . Controlling warp tension by means other than let-off mechanisms

D03D 49/14 . . . Compensating for tension differences during shedding

- D03D 49/16 . . . Warp supplied by creel
- D03D 49/18 . . Devices for indicating warp tension ([measuring tension of threads in general G01L 5/04](#))
- D03D 49/20 . . Take-up motions  
Cloth beams ([storage racks for beams D02H](#) )
- D03D 49/22 . . Back rests  
Lease rods  
Brest beams
  
- D03D 49/24 . Mechanisms for inserting shuttle in shed ([shuttles per se D03J 5/00](#))
- D03D 49/26 . . Picking mechanisms, e.g. for propelling gripper shuttles or dummy shuttles
- D03D 49/28 . . . Driving mechanisms for the picker stick
- D03D 49/30 . . . . operated by cam
- D03D 49/32 . . . . operated by previously-loaded spring or equivalent
- D03D 49/34 . . . . operated by liquid or gas pressure
- D03D 49/36 . . . Pickers  
Arresting means therefor ([check straps D03D 49/40](#))
- D03D 49/38 . . . Picking sticks  
Arresting means therefor ([check straps D03D 49/40](#))
- D03D 49/40 . . . Check straps  
Lug straps  
Similar strap components
- D03D 49/42 . . whereby the shuttle is propelled by liquid or gas pressure
- D03D 49/44 . . whereby the shuttle is propelled by electric or magnetic means
- D03D 49/46 . . wherein the shuttle is pushed or pulled positively ([travelling-wave-shed looms D03D 47/26](#))
- D03D 49/48 . . positioning shuttle in readiness for picking
- D03D 49/50 . . Miscellaneous devices or arrangements concerning insertion of weft and not otherwise provided for
  
- D03D 49/52 . Shuttle boxes ([change-boxes D03D 43/00](#))
- D03D 49/54 . . Braking means  
Swells
- D03D 49/56 . . . Shuttle relief mechanisms, i.e. reducing shuttle swell pressure before picking
  
- D03D 49/58 . Shuttle guards
  
- D03D 49/60 . Construction or operation of slay
- D03D 49/62 . . Reeds mounted on slay
- D03D 49/64 . . wherein the slay dwells or moves slowly while the weft is being inserted
- D03D 49/66 . . Shuttle races
  
- D03D 49/68 . Reeds or beat-up combs not mounted on the slay ([loose reed stop motion D03D 51/42](#))
  
- D03D 49/70 . Devices for cutting weft threads ([cutting weft in looms with automatic weft replenishment D03D 45/50](#); [apparatus for slitting fabric D03J 1/08](#))

**D03D 51/00****Driving, starting, or stopping arrangements**

**Automatic stop motions** { (loom control associated with fabric inspection on the loom [D03J 1/007](#)) }

**D03D 51/002**

- . Avoiding starting marks { **WARNING** Not complete, see [D03D 51/00](#) }

**D03D 51/005**

- . { **Independent drive motors** (independent frame drives for dobbies [D03C 1/146](#), for other shedding mechanisms [D03C 13/02](#)) }

**WARNING**

Not complete pending the completion of a reclassification, see also groups [D03D 51/00](#) and [D03D 51/02](#)

**D03D 51/007**

- . { **Loom optimisation** }

**WARNING**

Not complete pending the completion of a reclassification, see also groups [D03D 51/00](#) and [D03D 51/02](#)

**D03D 51/02**

- . General arrangements of driving mechanism

**D03D 51/04**

- . Manual controls

**D03D 51/06**

- . using particular methods of stopping

**D03D 51/08**

- .. stopping at definite point in weaving cycle, or moving to such point after stopping

**D03D 51/085**

- ... {**Extraction of defective weft** }

**D03D 51/10**

- .. stopping suddenly

**D03D 51/12**

- . for adjusting speed

**D03D 51/14**

- . for reducing speed temporarily

**D03D 51/16**

- . for varying speed cyclically

**D03D 51/18**

- . Automatic stop motions

**D03D 51/20**

- .. Warp stop motions

**D03D 51/22**

- ... mechanical

**D03D 51/24**

- .... wherein droppers are suspended on individual warp threads or small groups of threads

**D03D 51/26**

- .... Detector healds

**D03D 51/28**

- ... electrical

**D03D 51/30**

- .... wherein droppers are suspended on individual warp threads or small groups of threads

**D03D 51/32**

- .... Detector healds

**D03D 51/34**

- .. Weft stop motions

D03D 51/36	...	Centre weft forks
D03D 51/38	...	Side weft forks
D03D 51/40	..	Shuttle stop motions
D03D 51/42	...	Loose reed mechanisms
D03D 51/44	..	acting on defective operation of loom mechanisms
D03D 51/46	...	of shedding mechanisms

**Guide heading:****D03D 2700/00**
**Woven fabrics**  
**Methods of weaving**  
**Looms**

D03D 2700/01	.	Woven fabrics General weaving methods
D03D 2700/0103	..	Elastic fabrics
D03D 2700/0107	..	for collars or cuffs
D03D 2700/0111	..	Double or multi-ply fabrics
D03D 2700/0114	...	for conveyor belts, brakes, couplings, tyres or belts
D03D 2700/0118	...	for absorbing shocks
D03D 2700/0122	..	Tapes
D03D 2700/0125	...	for carrying liquids, e.g. typewriter tape
D03D 2700/0129	...	Memory tapes
D03D 2700/0133	..	characterised by the material of warp or weft
D03D 2700/0137	...	Combination of different materials
D03D 2700/014	...	Warp or weft treated before weaving
D03D 2700/0144	...	Use of threads with different characteristics for subsequent treatments
D03D 2700/0148	...	with glass, carbon or asbestos fibres
D03D 2700/0151	..	made of paper
D03D 2700/0155	..	Industrial fabrics
D03D 2700/0159	...	Screens or filters
D03D 2700/0162	...	Paper making felts
D03D 2700/0166	..	Fabrics with electric conductors
D03D 2700/017	..	Cleaning fabrics or footmats
D03D 2700/0174	..	Fabrics for special use
D03D 2700/0177	...	Absorbing fabrics, e.g. for sanitary towels
D03D 2700/0181	...	for neckties or shawls
D03D 2700/0185	...	for linings
D03D 2700/0188	...	for curtains
D03D 2700/0192	..	Fabrics with beads
D03D 2700/0196	..	Reinforced fabrics
D03D 2700/02	.	Belts

- D03D 2700/03 . Tubular fabrics or bags  
Endless fabrics
- D03D 2700/10 . Smallware looms
- D03D 2700/101 . . Devices for driving the shuttles
- D03D 2700/103 . . Devices for weft insertion from fixed bobbins
- D03D 2700/105 . . Devices for forming the selvages
- D03D 2700/106 . . Devices for changing the shuttles or cops
- D03D 2700/108 . . Devices for driving the warp or cloth beam
- D03D 2700/12 . Looms for weaving two or more fabrics at the same time
- D03D 2700/14 . Looms in which bulk supply of weft does not pass through the shed
- D03D 2700/1404 . . Weft bobbin supports
- D03D 2700/1409 . . Transfer of weft to the shuttle
- D03D 2700/1413 . . . Transfer or weft of different colours or types
- D03D 2700/1418 . . . Simultaneous transfer of several wefts
- D03D 2700/1422 . . . with weft treatment, e.g. dyeing or twisting
- D03D 2700/1427 . . . Unwinding of weft from a fixed bobbin
- D03D 2700/1431 . . . Weft supplying or guiding
- D03D 2700/1436 . . . Weft tensioning devices
- D03D 2700/144 . . . Weft cutting devices
- D03D 2700/1445 . . . Weft braking devices
- D03D 2700/145 . . . Weft clamping devices
- D03D 2700/1454 . . . Weft controlling devices
- D03D 2700/1459 . . . Weft measuring and storing devices
- D03D 2700/1463 . . . Weft preparation by the action of a fluid, e.g. for accumulating or braking the weft
- D03D 2700/1468 . . . Transfer of weft after insertion
- D03D 2700/1472 . . Weft insertion
- D03D 2700/1477 . . . by gripper shuttles
- D03D 2700/1481 . . . . with forced movement
- D03D 2700/1486 . . . by means other than gripper shuttles
- D03D 2700/149 . . . . by needles
- D03D 2700/1495 . . . . by pneumatic or hydraulic means
- D03D 2700/16 . Circular looms
- D03D 2700/162 . . Weft inserting means
- D03D 2700/164 . . Beat-up means
- D03D 2700/166 . . Shuttle changing means
- D03D 2700/168 . . Driving mechanism for the warp or cloth beam  
Shed forming devices
- D03D 2700/19 . Take-up motions, also in combination with warp let-off mechanisms

## Breast beams

- D03D 2700/25 . Devices for weft changing in looms
- D03D 2700/26 . Driving or stopping arrangements for looms
- D03D 2700/265 . . Electric driving arrangements
- D03D 2700/30 . Warp stop motions
- D03D 2700/305 . . electrical
- D03D 2700/31 . Weft stop motions, also combined with warp stop motions
- D03D 2700/313 . . electrical
- D03D 2700/316 . . Feeler devices for the weft or the shuttle
- D03D 2700/50 . Pile-fabric looms  
Pile fabrics
- D03D 2700/53 . . Weaving of loop ribbons or chenille
- D03D 2700/54 . . Wire-tapestry looms for warp pile fabrics
- D03D 2700/58 . . Control devices for the warp pile
- D03D 2700/60 . . Pile fabric weaving in general
- D03D 2700/61 . . Fabrics for fasteners of the touch-and-close type
- D03D 2700/80 . Weaving of metallic fabrics
- D03D 2700/81 . . Shed forming devices
- D03D 2700/82 . . Looms with fixed weft bobbins
- D03D 2700/821 . . . Transfer of the weft from the bobbin to the insertion device
- D03D 2700/823 . . . Transfer of the weft after insertion
- D03D 2700/825 . . . Insertion of the weft
- D03D 2700/826 . . . . by means of gripper shuttles
- D03D 2700/828 . . . . by means of gripper needles
- D03D 2700/83 . . Selvage forming
- D03D 2700/84 . . Transport or guiding of the warp  
Warp beams
- D03D 2700/85 . . Cloth take-up mechanisms, also combined with warp let-off mechanisms  
Breast beams
- D03D 2700/86 . . Shuttle driving devices
- D03D 2700/865 . . . Shuttles
- D03D 2700/87 . . Arrangements for the slay  
Construction of the slay
- D03D 2700/88 . . Control devices  
e.g. for weft or warp
- D03D 2700/90 . Pickers or arresting means